

Insects

Green

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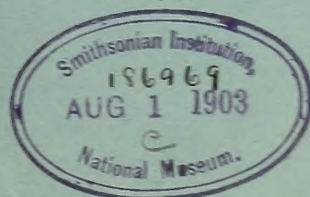
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INDIAN MUSEUM NOTES.

VOLUME V.—No. 3.

Extract from



INDIAN MUSEUM NOTES

Vol. 1, No. 1

2.—DESCRIPTION OF A NEW COCCID.

BY E. E. GREEN, F.E.S.,

Government Entomologist, Ceylon.

On *Oryza sativa*, Linn., Natural Order *Gramineæ*. Rice or paddy.

Chionaspis decurvata, Green, n. sp., Family *Coccidæ*, Sub-order *Homoptera*, Order *Hemiptera*. Plate XVII, Fig. 1, *pygidium of female, greatly enlarged*.

On leaves of rice plants grown under shelter in the Museum in July, 1900, a coccid was found, and was sent to Mr. E. Ernest Green, F.E.S., Government Entomologist, Ceylon, who has furnished us with the following description of it, as it appeared to him to be a species new to science.

"PUPARIUM OF FEMALE white: pellicles very pale straw-colour: moderately convex: oblong: broadest across a point a little behind the extremity of the second pellicle: tapering posteriorly. Ventral scale well developed. Long:—1.50 to 1.75 mm. Broad:—0.75 mm."

"PUPARIUM OF MALE white, semi-transparent: obscurely tricarinate. Long:—1.10 mm. Broad:—0.40 mm."

"ADULT FEMALE yellow: elongate: broadest across the metathorax and the base of the abdomen. Rudimentary antenna with a single stout curved hair. Segments of the body not strongly marked. Pygidium with a rounded extremity. A moderately deep median cleft with a chitinous margin. Median lobes prominent, narrow, widely divergent, inner edge strongly convex, outer edge concave, extremity slightly dilated and curved downwards. First lateral lobes duplex, prominent; inner lobule largest, narrowed at base. Second lateral lobes obsolete. Squames large, spiniform: 1—2 on each of the first, second, and third spaces: one on the fourth space; and three on the base. Two or three similar squames on the penultimate segment. Dorsal oval pores large and conspicuous; communicating with short cylindrical ducts. Circumgenital glands in five groups: median group 7 to 8: upper laterals 11 to 14: lower laterals 10 to 12. Anal orifice on a level with the lower lateral gland groups. Long:—0.75 to 1.15 mm. Broad:—0.30 to 0.50 mm.

"ADULT MALE not observed."

"Allied to *Ch. spartinae*, Comstock, but differs in the form of the median lobes, and in the proportions of the female puparium."

Plate XVII Fig. 1 shows the pygidium of an adult female.

A lady-bird beetle (Family *Coccinellidæ*) which has been identified by Mr. L. O. Howard, Entomologist to the United States Department of Agriculture, Washington, as *Platynaspis villosa* of Mulsant, preys on this coccid both in its larval and imaginal forms. It is figured on Plate IX, Fig. 3, imago $\times 14$.

DESCRIPTION OF A NEW METHOD

BY H. E. LANGE

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